

[DEVICE AND METHOD FOR REDUCTION OF A GAS COMPONENT IN AN EXHAUST GAS FLOW OF A COMBUSTION ENGINE]

Abstract of Disclosure

Method and device for reduction of a gas component in an exhaust gas flow of a combustion engine (1) that is adapted for operation by a lean air/fuel mixture. An exhaust pipe (21) is included for transport of the exhaust gas flow from the engine (1). A separation unit (22) is also included that is arranged along the exhaust pipe (21), which separation unit (22) has a wall structure (32) of a material which provides separation of the gas component from the exhaust gas flow by means of a selective passage of the gas component before other gas components in the exhaust gas flow. The method provides for a reduction and a separation unit that is intended to be utilized during such a reduction. An improved reduction of in particular NO_x compounds from a so-called "lean-burn" engine is also provided.

Figures